

Ag. Waste Application and Excavated Ponds  
Hand County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ag: Highmore-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
BcA: Prosper-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Stickney-----	25	Very limited		Somewhat limited	
		Restricted	1.00	Slow refill	0.99
		permeability			
		Salinity	0.50	Deep to water	0.90
				Salty water	0.50
				Cutbanks cave	0.10
BhA: Prosper-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Houdek-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CaA: Dudley-----	70	Very limited		Somewhat limited	
		Restricted	1.00	Slow refill	0.99
		permeability			
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
CcA: Dudley-----	50	Very limited		Somewhat limited	
		Restricted	1.00	Slow refill	0.99
		permeability			
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10

Ag. Waste Application and Excavated Ponds -- continued  
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Stickney-----	35	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.50 0.10
CeA: Degrey-----	60	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Eakin-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
ChA: Dudley-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.78 0.10
Houdek-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
ChB: Dudley-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.78 0.10
Houdek-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CmA: Cavo-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Raber-----	35	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
CnA: Cavo-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Glenham-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CrA: Stickney-----	50	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.50 0.10
Prosper-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CsA: Stickney-----	50	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.50 0.10
Dudley-----	40	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Somewhat limited Slow refill  Deep to water Salty water Cutbanks cave	0.99  0.90 0.78 0.10
Dep: Worthing-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill  Cutbanks cave Salty water	0.95  0.10 0.01

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
EaA: Eakin-----	80	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
EaB: Eakin-----	80	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
EcA: Eakin-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Degrey-----	35	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
EcB: Eakin-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Degrey-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
EmA: Eakin-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
EmB: Eakin-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Jerauld-----	20	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
ErA: Eakin-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Raber-----	20	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
ErB: Eakin-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Raber-----	20	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
EsA: Jerauld-----	99	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
EtA: Durrstein-----	65	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
EvA: Jerauld-----	60	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Lane-----	39	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
ExA: Jerauld-----	60	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Lane-----	39	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
GaA: Davis-----	100	Not limited		Very limited Deep to water	1.00
GaB: Davis-----	100	Not limited		Very limited Deep to water	1.00
Gp: Orthents, Gravelly--	100	Not rated		Not rated	
HaA: Davison-----	99	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
HbA: Hand-----	99	Not limited		Very limited Deep to water	1.00
HbB: Hand-----	99	Not limited		Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
HcA: Durrstein-----	90	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
HdA: Durrstein-----	50	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
Bon-----	25	Somewhat limited Flooding	0.60	Very limited Deep to water	1.00
HeA: Durrstein-----	60	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
Lane-----	40	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Hg: Talmo-----	100	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 0.84 0.76 0.45	Very limited Deep to water	1.00
HhA: Houdek-----	99	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
HhB: Houdek-----	99	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HhC: Houdek-----	99	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HkA: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HkB: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HlA: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Dudley-----	35	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.99
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
HlB: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Dudley-----	35	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.99
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10



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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
HmA: Houdek-----	45	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
HmB: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Jerauld-----	25	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
HsB: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Delmont-----	30	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
HsC: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Delmont-----	30	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
HsD: Houdek-----	60	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Talmo-----	30	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 0.63 0.54 0.45	Very limited Deep to water	1.00
HtD: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
HuD: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
Hv: Hoven-----	100	Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
HyA: Hurley-----	60	Very limited Restricted permeability Sodium content Droughty Salinity Depth to bedrock	1.00 1.00 1.00 0.50 0.42	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Promise-----	39	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Int: Worthing-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01
LaA: Davis-----	98	Not limited		Very limited Deep to water	1.00
LbA: Bon-----	98	Somewhat limited Flooding	0.60	Very limited Deep to water	1.00
LcA: Bon-----	98	Not limited		Very limited Deep to water	1.00
LdA: Davis-----	98	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
LeA: Bon-----	79	Not limited		Very limited Cutbanks cave Deep to water	1.00 0.81
Northville-----	20	Very limited Restricted permeability Sodium content	1.00 0.82	Very limited Deep to water	1.00
LlA: Bon-----	58	Somewhat limited Flooding	0.60	Very limited Cutbanks cave Deep to water	1.00 0.81

Ag. Waste Application and Excavated Ponds -- continued  
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Lamo-----	40	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.30	Somewhat limited Slow refill Cutbanks cave	0.43 0.10
LmA: Lamo-----	98	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.30	Somewhat limited Slow refill Cutbanks cave	0.43 0.10
LnB: Lane-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
LoA: Lane-----	99	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
LpA: Lane-----	69	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
LrA: Lane-----	69	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
LsA: Lane-----	60	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Durrstein-----	40	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
LtD: Sansarc-----	40	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
Opal-----	30	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 0.97 0.63 0.42 0.40	Very limited Deep to water	1.00
Ma: Doger-----	100	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.19	Very limited Deep to water	1.00
McA: Hoven-----	100	Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10

Ag. Waste Application and Excavated Ponds -- continued  
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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
MdA: Jerauld-----	75	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
MeA: Jerauld-----	60	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Eakin-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
MhA: Jerauld-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Houdek-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
MhB: Jerauld-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Houdek-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
MrA: Jerauld-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Raber-----	30	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
MrB: Jerauld-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Raber-----	30	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
MwA: Jerauld-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Glenham-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
MyB: Mondamin-----	100	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
OaA: Oahe-----	100	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
OaB: Oahe-----	100	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
OhA: Oahe-----	70	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Delmont-----	30	Very limited Filtering capacity Droughty	1.00 0.32	Very limited Deep to water	1.00
OhB: Oahe-----	60	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Delmont-----	40	Very limited Filtering capacity Droughty	1.00 0.32	Very limited Deep to water	1.00
OrA: Promise-----	99	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
OrB: Promise-----	100	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrB: Promise-----	100	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrC: Promise-----	100	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrD: Promise-----	100	Very limited Restricted permeability Slope Runoff limitation Sodium content	1.00 0.63 0.40 0.02	Very limited Deep to water	1.00



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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
RaA: Raber-----	99	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
RaB: Raber-----	99	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
RaC: Raber-----	98	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
RcA: Raber-----	60	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Cavo-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
RcB: Raber-----	70	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Cavo-----	20	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
ReA: Raber-----	60	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Eakin-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ReB: Raber-----	70	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Eakin-----	20	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
ReC: Raber-----	69	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Eakin-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
RmA: Raber-----	60	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
RmB: Raber-----	70	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Jerauld-----	20	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
RpC: Raber-----	55	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Peno-----	30	Somewhat limited Restricted permeability Salinity	0.89 0.01	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
RrC: Raber-----	60	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Peno-----	30	Somewhat limited Restricted permeability Salinity	0.89 0.01	Very limited Deep to water	1.00
Rs: Talmo-----	100	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00 0.92 0.84 0.45	Very limited Deep to water	1.00
Ru: Betts-----	75	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Sa: Egas-----	99	Very limited Restricted permeability Depth to saturated zone Salinity Flooding Runoff limitation	1.00 1.00 0.78 0.60 0.40	Very limited Slow refill Salty water Cutbanks cave	1.00 0.78 0.10
Sm: Delmont-----	100	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
So: Delmont-----	65	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Oahe-----	35	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Sw: Delmont-----	65	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
Enet-----	35	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
SxA: Dimo-----	100	Very limited Filtering capacity Depth to saturated zone Flooding	1.00 0.95 0.60	Very limited Cutbanks cave Deep to water	1.00 0.02
SyA: Dimo-----	100	Very limited Filtering capacity Depth to saturated zone Flooding	1.00 0.95 0.60	Very limited Cutbanks cave Deep to water	1.00 0.02
Tp: Worthing-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01
Tw: Tetonka-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	
WeA: Enet-----	100	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
WeB: Enet-----	100	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
WgA: Enet-----	65	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Delmont-----	35	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
WgB: Enet-----	60	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Delmont-----	40	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
WmB: Glenham-----	99	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
WmC: Glenham-----	99	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WnA: Glenham-----	59	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
WnB: Glenham-----	64	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
WpA: Glenham-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Cavo-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
WpB: Glenham-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Cavo-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
WrA: Glenham-----	59	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Eakin-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WsA: Glenham-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Jerauld-----	30	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
WsB: Glenham-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Jerauld-----	20	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
WuB: Glenham-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Delmont-----	30	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00
WuC: Glenham-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Delmont-----	35	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.32	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WuD: Glenham-----	55	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Talmo-----	35	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 0.63 0.54 0.45	Very limited Deep to water	1.00
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated	
WxC: Glenham-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Java-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
WzC: Glenham-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Java-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
ZaD: Ethan-----	50	Somewhat limited Slope	0.63	Very limited Deep to water	1.00
Houdek-----	30	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
ZhD: Ethan-----	50	Somewhat limited Slope	0.63	Very limited Deep to water	1.00



Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Houdek-----	30	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
ZhE: Betts-----	60	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Ethan-----	35	Very limited Slope	1.00	Very limited Deep to water	1.00
ZmD: Peno-----	50	Somewhat limited Restricted permeability Slope Salinity	0.89 0.63 0.01	Very limited Deep to water	1.00
Raber-----	30	Somewhat limited Restricted permeability Slope	0.89 0.63	Very limited Deep to water	1.00
ZmE: Gettys-----	50	Very limited Slope Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
Peno-----	30	Very limited Slope Restricted permeability Salinity	1.00 0.89 0.01	Very limited Deep to water	1.00
ZrD: Peno-----	50	Somewhat limited Restricted permeability Slope Salinity	0.89 0.63 0.01	Very limited Deep to water	1.00
Raber-----	30	Somewhat limited Restricted permeability Slope	0.89 0.63	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ZrE: Gettys-----	50	Very limited Slope Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
Peno-----	30	Very limited Slope Restricted permeability Salinity	1.00 0.89 0.01	Very limited Deep to water	1.00
ZsD: Betts-----	55	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Talmo-----	25	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 0.63 0.54 0.45	Very limited Deep to water	1.00
ZsE: Betts-----	60	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Talmo-----	20	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.54 0.45	Very limited Deep to water	1.00
ZxD: Java-----	50	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Glenham-----	30	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Hand County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ZxE: Betts-----	50	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Java-----	30	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
ZyD: Java-----	50	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Glenham-----	30	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
ZyE: Betts-----	50	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Java-----	30	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00

